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#7

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 101069, 228B
Source: PCT10
Date Processed by STIC: 2/3/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Raw Sequence Listing Error Summary

ERROR DETECTED**SUGGESTED CORRECTION**

SERIAL NUMBER:

101069,228B

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 ✓ Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



PCT10

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/069,228B

DATE: 02/03/2003 *Errors on pp 1,5*
TIME: 11:52:46

Input Set : A:\10-069228Sequence.txt

Output Set: N:\CRF4\02032003\J069228B.raw

3 <110> APPLICANT: Takeda Chemical Industries, Ltd.
 5 <120> TITLE OF INVENTION: Screening Method
 7 <130> FILE REFERENCE: 2639WOOP
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/069,228B
 C--> 9 <141> CURRENT FILING DATE: 2002-02-21
 9 <150> PRIOR APPLICATION NUMBER: JP 11-236597
 10 <151> PRIOR FILING DATE: 1999-08-24
 12 <160> NUMBER OF SEQ ID NOS: 23
 14 <210> SEQ ID NO: 1
 15 <211> LENGTH: 4
 16 <212> TYPE: PRT
 17 <213> ORGANISM: Artificial Sequence
 19 <220> FEATURE:
 20 <223> OTHER INFORMATION: the C-terminus of the polypeptide is amide (-CONH2) form
 22 <400> SEQUENCE: 1
 23 Phe Met Arg Phe
 24 1
 26 <210> SEQ ID NO: 2
 27 <211> LENGTH: 5
 28 <212> TYPE: PRT
 29 <213> ORGANISM: Artificial Sequence
 31 <220> FEATURE:
 32 <223> OTHER INFORMATION: the C-terminus of the polypeptide is amide (-CONH2) form
 34 <400> SEQUENCE: 2
 35 Tyr Phe Met Arg Phe
 36 1 5
 38 <210> SEQ ID NO: 3
 39 <211> LENGTH: 7
 40 <212> TYPE: PRT
 41 <213> ORGANISM: Artificial Sequence
 43 <220> FEATURE:
 44 <223> OTHER INFORMATION: the C-terminus of the polypeptide is amide (-CONH2) form
 46 <400> SEQUENCE: 3
 47 Tyr Gly Gly Phe Met Arg Phe
 48 1 5
 50 <210> SEQ ID NO: 4
 51 <211> LENGTH: 7
 52 <212> TYPE: PRT
 53 <213> ORGANISM: Artificial Sequence
 55 <220> FEATURE:
 56 <223> OTHER INFORMATION: must explain genetic source, see error summary sheet item 11
 W--> 58 <400> 4
 59 Tyr Gly Gly Phe Met Arg Phe

RAW SEQUENCE LISTING

DATE: 02/03/2003

PATENT APPLICATION: US/10/069,228B

TIME: 11:52:46

Input Set : A:\10-069228Sequence.txt

Output Set: N:\CRF4\02032003\J069228B.raw

```

60      1      5
62 <210> SEQ ID NO: 5
63 <211> LENGTH: 4
64 <212> TYPE: PRT
65 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
68 <223> OTHER INFORMATION: the C-terminus of the polypeptide is amide (-CONH2) form
70 <400> SEQUENCE: 5
71 Pro Gln Arg Phe
72      1
74 <210> SEQ ID NO: 6
75 <211> LENGTH: 8
76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: the C-terminus of the polypeptide is amide (-CONH2) form
82 <400> SEQUENCE: 6
83 Phe Leu Phe Gln Pro Gln Arg Phe
84      1      5
86 <210> SEQ ID NO: 7
87 <211> LENGTH: 7
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: the C-terminus of the polypeptide is amide (-CONH2) form
94 <220> FEATURE:
W--> 95 <221> NAME/KEY:
96 <222> LOCATION: (1)
97 <223> OTHER INFORMATION: Xaa means pGlu
99 <400> SEQUENCE: 7
W--> 100 Xaa Asp Pro Phe Leu Arg Phe
101      1      5
103 <210> SEQ ID NO: 8
104 <211> LENGTH: 7
105 <212> TYPE: PRT
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: the C-terminus of the polypeptide is amide (-CONH2) form
111 <400> SEQUENCE: 8
112 Asp Arg Asn Phe Leu Arg Phe
113      1      5
115 <210> SEQ ID NO: 9
116 <211> LENGTH: 7
117 <212> TYPE: PRT
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: the C-terminus of the polypeptide is amide (-CONH2) form
123 <400> SEQUENCE: 9
124 Asn Arg Asn Phe Leu Arg Phe

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RAW SEQUENCE LISTING

DATE: 02/03/2003

PATENT APPLICATION: US/10/069,228B

TIME: 11:52:46

Input Set : A:\10-069228Sequence.txt

Output Set: N:\CRF4\02032003\J069228B.raw

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125      1              5
127 <210> SEQ ID NO: 10
128 <211> LENGTH: 8
129 <212> TYPE: PRT
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: the C-terminus of the polypeptide is amide (-CONH2) form
135 <400> SEQUENCE: 10
136 Thr Asn Arg Asn Phe Leu Arg Phe
137      1              5
139 <210> SEQ ID NO: 11
140 <211> LENGTH: 10
141 <212> TYPE: PRT
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: the C-terminus of the polypeptide is amide (-CONH2) form
147 <400> SEQUENCE: 11
148 Pro Asp Val Asp His Val Phe Leu Arg Phe
149      1              5              10
151 <210> SEQ ID NO: 12
152 <211> LENGTH: 7
153 <212> TYPE: PRT
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: the C-terminus of the polypeptide is amide (-CONH2) form
159 <400> SEQUENCE: 12
160 Lys Asn Glu Phe Ile Arg Phe
161      1              5
163 <210> SEQ ID NO: 13
164 <211> LENGTH: 7
165 <212> TYPE: PRT
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: the C-terminus of the polypeptide is amide (-CONH2) form
171 <400> SEQUENCE: 13
172 Lys His Glu Tyr Leu Arg Phe
173      1              5
175 <210> SEQ ID NO: 14
176 <211> LENGTH: 5
177 <212> TYPE: PRT
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: the C-terminus of the polypeptide is amide (-CONH2) form
183 <400> SEQUENCE: 14
184 Leu Pro Leu Arg Phe
185      1              5
187 <210> SEQ ID NO: 15
188 <211> LENGTH: 31
189 <212> TYPE: PRT
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RAW SEQUENCE LISTING

DATE: 02/03/2003

PATENT APPLICATION: US/10/069,228B

TIME: 11:52:46

Input Set : A:\10-069228Sequence.txt

Output Set: N:\CRF4\02032003\J069228B.raw

```

190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: the C-terminus of the polypeptide is amide (-CONH2) form
195 <400> SEQUENCE: 15
196 Ser Arg Ala His Gln His Ser Met Glu Ile Arg Thr Pro Asp Ile Asn
197   1           5           10           15
198 Pro Thr Trp Tyr Thr Gly Arg Gly Ile Arg Pro Val Gly Arg Phe
199           20           25           30
201 <210> SEQ ID NO: 16
202 <211> LENGTH: 20
203 <212> TYPE: PRT
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: the C-terminus of the polypeptide is amide (-CONH2) form
209 <400> SEQUENCE: 16
210 Ser Pro Glu Ile Asp Pro Phe Trp Val Tyr Gly Arg Gly Val Arg Pro
211   1           5           10           15
212 Ile Gly Arg Phe
213           20
215 <210> SEQ ID NO: 17
216 <211> LENGTH: 11
217 <212> TYPE: PRT
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: the C-terminus of the polypeptide is amide (-CONH2) form
223 <400> SEQUENCE: 17
224 Ser Gly Gln Ser Trp Arg Pro Gln Gly Arg Phe
225   1           5           10
227 <210> SEQ ID NO: 18
228 <211> LENGTH: 7
229 <212> TYPE: PRT
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: the C-terminus of the polypeptide is amide (-CONH2) form
235 <400> SEQUENCE: 18
236 Leu Ser Ser Phe Val Arg Ile
237   1           5
239 <210> SEQ ID NO: 19
240 <211> LENGTH: 11
241 <212> TYPE: PRT
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: the C-terminus of the polypeptide is amide (-CONH2) form
247 <400> SEQUENCE: 19
248 Ala Arg Pro Gly Tyr Leu Ala Phe Pro Arg Met
249   1           5           10
251 <210> SEQ ID NO: 20
252 <211> LENGTH: 9
253 <212> TYPE: PRT

```

RAW SEQUENCE LISTING



DATE: 02/03/2003

PATENT APPLICATION: US/10/069,228B

TIME: 11:52:46

Input Set : A:\10-069228Sequence.txt

Output Set: N:\CRF4\02032003\J069228B.raw

254 <213> ORGANISM: Artificial Sequence
 256 <220> FEATURE:
 257 <223> OTHER INFORMATION: the C-terminus of the polypeptide is amide (-CONH2) form
 259 <400> SEQUENCE: 20
 260 Met Asn Tyr Leu Ala Phe Pro Arg Met
 261 1 5
 263 <210> SEQ ID NO: 21
 264 <211> LENGTH: 1209
 265 <212> TYPE: DNA
 266 <213> ORGANISM: Human
 268 <400> SEQUENCE: 21
 269 atggccttgca atggcagtgcc gccaggggg cactttgacc ctgaggactt gaacctgact 60
 270 gacgaggcac tgagactcaa gtacctgggg cccagcaga cagagctgtt catgcccac 120
 271 tgtgccacat acctgctgat cttcgtgttg ggcgtgttg gcaatgggct gacctgtctg 180
 272 gtcacctgc gccacaaggc catgcgcacg cctaccaact actacctctt cagcctggcc 240
 273 gtgtcggacc tgctgggtgct gctgggtggc ctgcccctgg agctctatga gatgtggcac 300
 274 aactaccct tctgtctggg cgttggtggc tgctatttcc gcacgctact gtttgagatg 360
 275 gtctgcctgg cctcagtgct caacgtcact gccctgagcg tggaacgcta tgtggccgtg 420
 276 gtgcacccac tccaggccag gtccatggtg acgcggggccc atgtgcgccg agtgcttggg 480
 277 gccgtctggg gtcttgccat gctctgctcc ctgcccaca ccagcctgca cggcatccgg 540
 278 cagctgcacg tgccctgccg gggcccagtg ccagactcag ctgtttgcat gctggtccgc 600
 279 ccacggggccc tctacaacat ggtagtgcag accaccgcgc tgctcttctt ctgcctgccc 660
 280 atggccatca tgagcgtgct ctacctgctc attgggctgc gactgcggcg ggagaggctg 720
 281 ctgctcatgc aggaggccaa gggcaggggc tctgcagcag ccagggtccag atacacctgc 780
 282 aggtccagc agcacgatcg gggccggaga caagtgacca agatgctgtt tgtcctggtc 840
 283 gtggtgtttg gcatctgctg ggccccgttc cacgccgacc gcgtcatgtg gacgctcgtg 900
 284 tcacagtggg cagatggcct gcacctggcc ttccagcacg tgcacgtcat ctccggcatc 960
 285 ttcttctacc tgggctcggc ggccaacccc gtgctctata gcctcatgtc cagccgcttc 1020
 286 cgagagacct tccaggaggc cctgtgcctc ggggcctgct gccatcgct cagaccccg 1080
 287 cacagctccc acagcctcag caggatgacc acaggcagca ccctgtgtga tgtgggctcc 1140
 288 ctgggcagct ggggtccacc cctggctggg aacgatggcc cagaggcgca gcaagagacc 1200
 289 gatccatcc 1209
 291 <210> SEQ ID NO: 22
 292 <211> LENGTH: 34
 293 <212> TYPE: DNA
 294 <213> ORGANISM: Artificial Sequence
 296 <220> FEATURE:
 297 <223> OTHER INFORMATION: 
 W--> 299 <400> 22
 300 gtcgaccatg gcttgcaatg gcagtgcggc cagg 34
 302 <210> SEQ ID NO: 23
 303 <211> LENGTH: 30
 304 <212> TYPE: DNA
 305 <213> ORGANISM: Artificial Sequence
 307 <220> FEATURE:
 308 <223> OTHER INFORMATION: 
 W--> 310 <400> 23
 311 gctagctcag gatggatcgg tctcttgctg 30

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/069,228B

DATE: 02/03/2003
TIME: 11:52:47

Input Set : A:\10-069228Sequence.txt
Output Set: N:\CRF4\02032003\J069228B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; Xaa Pos. 1

VERIFICATION SUMMARY

DATE: 02/03/2003

PATENT APPLICATION: US/10/069,228B

TIME: 11:52:47

Input Set : A:\10-069228Sequence.txt

Output Set: N:\CRF4\02032003\J069228B.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:58 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:56
L:95 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:299 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:22,Line#:297
L:310 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:23,Line#:308